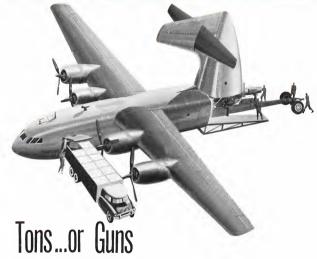
# APRIL 12, 1948 A MCGRAW-HILL PUBLICATION APRIL 12, 1948



The Curtiss-Wright CW-32...pacemaker for versatility, speed and economy in military equipment and commercial eargo transport...America's only airplane designed for immediate adaptability to eargo and materiel transport.

FIRST IN FLIGHT

Airplane i



Marquelle Model 3V Wiper

4 Too not arbitroom a per absorption out feature that is dependent out percent, leased in this count of retaillation or solicity and an innerestal amough it is the mode of more than in terms of experience in this highly simulated field.

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## Where an engine fire makes flying SAFER!

Yes, the fames burshing from the rest engine of this plate are pointing the way to greater safety in our transports tion.

safety for air unsupertraien.
These B-25 power plants are an integral
part of Kildel's askerbor research fuellition—
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here been debberanch married—so not the
effectiveness of different types of extrapositing agents and epispowers. Here Kildel—
long recognised in the larger is the
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field. Through renowth like this, Kiddle has collected—and evaluated—a unique fixed of sufcessation on silptone for collected-leng. This information is always at the disposal of government agencies, meenft manufacturing on the collected of government agencies.

41 KUR STREET, 1812 (K) 415 KUR STREET.

THE EXTINGUISHING EQUIPMENT KIELDE VALVES, CYLINDERS, SPHETES PIECE DITECTION DEVICES HAS TAKENDEY WALVES, CYLINDERS, SPHETES PIECE ANALYSIS CONTAINES HAS TAKENDEY PROPERTY OF THE PIECE ANALYSIS PROPERTY OF THE PIECE

HIGH-PRESSURE CONTAINERS ENGINEERS

AVIATION WEEK, April 22, 1968

ENGINEERS





# AVIATION

April 15, 2946

Aviation Week 7 Sales & Service . . . . Headline News 11 World News 39 New Products ..... 30 Editorial ... ... 54

Relect P. Nata ........ See Stitle Scholar Songs ..... State Cont Stitle

Cherles L. Aderes ...... Ter aver Hear Jugo Scotle-

Freeziere and Educated Offices, 150 W. Shad St., Nov-York 16, N. Y., Newant Observative Vener Schreite, Michael S. Beschel Derroys Bildy, Glorge 11, 128; N. McKliger, Arts.; Gerellind S. Bildern Mich., Devers B. P. Sweders E. H. S. Vollager S. H. Schreite, E. H. S. Vollager S. H. S. Schreite, M. S. Schreite, M. S. Schreite, M. S. Schreite, M. S. Carreger-Schreite, Barrare, Ballish, Dilligh, Byrten, Lineau, Leisensen, M. Schreite, M. S. Carreger-Schreite, March S. Schreite, M. S. Schrei

orașa Nese Barona, Landon, Faris, Renko, Massere, Tekna, Ramber, Mel

Expert M. Kerner, Sanfard S. Parker, Vollage E. Sanfar, July D. Wales

F. W. Norda, Ja. Salta Message: J. C. Audenser, New York, W. J. Start, Philo-delphier, V. K. Brisene, Chryslend, L. J. Biel, Chierger, W. G. Anhance, Adhart, J. W. Christer, San Franciscopi, C. J. McDynadia, Lee Angales: Other-solm offers in Philosophy, Datrice, S. Leon, Euritza and Leona.

AVIATION WEEK, deed 22, 1945



# 22 YEARS OF CONTINUOUS SERVICE



Western Air Linus uses Texara Aircraft Engine Oil exclusively an all its aircraft Mary recessor airding solder he also

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WISCIAN AN LOUS, America's Passeer Am-In 1936, on time year of openings. Women, Ale

And Tream Laboration Factorists Service in Lines carried a rotal of 200 passengers. Now, more service, and the complete line of Toxaco Avarion than 2500 Tixaco Describerent Plants et de 48 States. The Texas Commune. Artistics Davisson, 15th

AVIATION WEEK, April 72, 1948





# THE AVIATION WEEK

The Air Force High Command The embleus of on An Force still strending to seed

from miseled Gen. Carl A. Spanis, only 7 years has some He next rote the Art Gons, depoth from West Point plots in the service. He came to refitten maturity in coelected faces a her toward colored in 1940 to four other arriend before the end of 1947. He not an early taxe. of combet in North Africa fiving bembesfurest res-Inherited Problems

so for beauty determines the eventual statem in the administration over the past two seas and the actions It appears that Vandoubear's first big job will be to

shrubral bit correspond not these obstacles which even the subsedients role in which it stagrated before the let war. With the Republican majority in Convicuin the estimal defense structure, a Republican sictory of the polls next full, whole it would tenumate the tower servererly for a sound expension of the Au Essea Although there is no good evidence on Gea, Vandonhere's nulffical affiliations with his much. Senator Von. dealery, the popular assumptions most people make on that acces well do neither the seneral not his command

Kenney's Joh

Fighting their political collings bettles will be the press task of Vandenborg, soled by Lieut Geo. Lazers right and left hower Vandenberr will have two canable

acteurs of the Soutz processors who are expected to Force and Gen. Joseph Trazent McNames, community of the Ar Motorel Command. Many observers feel the tree. But those who know han best feel be would been no evalence that the Ressum, Botoh or snebody Here is one field in which no one has yet dired to suggest

McNarney's Role McNarrey has been out of the Air Force for many

An Force to discount his influence in the convert nice Staff or Gen. Manhalf's depety care bins as invisite into the testing and philosophy of conference table in debition mescelled by one Air Force general except the old coaster of that terrain, "Hase" Accold. Only since Gen. Manhally restore reconstructurals on his lack of faith in appower and agreementages over employing it during you can outsides fully some the effectiveness of McNerwer's and Amedi's buttling in June Wer Depart. ment circles during the non. Gen McNamey's penent contains assume a man of his birth cultier

who was one of the trafe sound and brilliant combat is 50, but perhaps belongs to the vocages percentum entical a set of external and magnetional nephleus as



CP-459 EA Proviment Riveting-Disspling Machine-

for every aviation job

There's exactly the tool year send for our nea-Electric and Hicrobe Electric tools ... , Riveters,



OF Shee Bellion Area Error.

# NEWS DIGEST

Charl of Stuff, U.S. Aur Force, effective

FINANCIAL Bredly Avietics Cora, proceed not

Antonius (RANSAL a new Venesation the new line out II & riftness. The

AVEATION WEEK, April 12, 1948

PRESSURE WELDED BY







# NEW TYPE HUB HAMILTON STANDARD PROPELLERS

- Absorb More Power
- Deliver More Thrust Reverse in 3 Seconds

Bone's a bob structure that below a new type there-blade remedier exceediby attain the most favorable weight-to-size

halten of makel-shrapusaponolyhderoup steel, Type 4350. This grade of sucket allowed steel, leng a standard materral for body and other visit agently foreigns, permits

developed by Wyram-Gordon Company, Worrester, Mass. which followers there norte for Hamilton Standard Proheat treatment, showed properties averaging as follows:

122,140 Yield Strength (0.2% cet), a s i Florostes is 2", % Reduction of Area, %

Netal problems defer, but the wide range of pickel affect



THE INTERNATIONAL NICKEL COMPANY, INC. 87 WALL STREET



# Sports, Semington, Vandesberg ...... he ashermed a 6000 unite boudey. (From Asse.) Air Force B-29s Bomb Muroc On 4600 Mile Mission From Tampa

Strategie Air Command planes offer dramatic proof in rappy controversy; refuelting techniques revealed. By ROBERT HOTZ

of 2000 countries units (2000 datas). \*Routing Missipac-These messages but here developed Record architects

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one modern and services . . . the stream and Keep your event this Office Service avustion emblers. You'll not it on disable at wore and

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AVIATION PETROLEUM **PRODUCTS** 

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AVIATION WEEK, April 12, 1948

NAC Storts 5-Year Educational Program

O'Connell Sworn In name Dec 31 He succeeds Junes

AVIATION WEEK, 42-6 22, 1948

Eatest fight you of Common XTRSF I great side broads unlong of pilot and leading edge intrices replacing set air latake formedy med. Revised version, the AFT, a schedulol for questry production next full. (If G. Martin shote)

# Gilfillan Gets \$11,500,000 Order CAA, Air Force procure GCA. Other sets are exempled for Closeland.

Air Force Withdraws C-46s From Surplus As I case led week withhern 162

De Havilland Expands HEADLINE NEWS

Fred Weick Goes To Texas A & M

# Congress Still Battling Truman Administration Over Airpower

Forrestal releated on "halanced" defense program coully provined on Capitol Hill: Republicans want 70 air groupe The boom for a 76 Croop Are France souther, headed by Ren. Chiefes Chama

er deficient perennen bered on coare-

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New Transport Aid





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# Airport Operators Speak Out New organization of largest airline terminals holds

first meeting. Aim: swiftern accounts and practices, Major aigest operation head the Decrease releases moved from

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\*Secretary Wested-Now planning a

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# INDUSTRY OBSERVER

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Costo, Works a neuron consistent of its second XPS2 forest all neighbor

F Tous Engineering and Magazintanase Co. at Dallas is modifying user Meetin and maledy a survey bugging compartment, enlarged caching galley and a cost

Production models of the British Asspeed Assbassake will be powered by

Ferral Engages Agrees where to country the Application at 43,000 lb, 1750. Recent tom-Attente DC-6M fights have been scross too fights only. ► Northwest Aglines expects to not supervised th \$2,000,000 such for its florest

377 Stratocrassers. Contact page of \$1,500,000 contains excelation closure

\*Associous Atlant is completeing about one of the Convertiner's releve Turnion leaded rabber bestings cause door to sping up automatically forcing the

It Sweet has several submed in its "some scales" and has lighted a "harmitened"

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trg, W. Harrebergh, Vo. May 18—Air Commoves Day at Mileni part

CAB Extends Deadline Of New Fire Regulations

AVIATION CALENDAR

New 4—COAD NOVO-Alexandron Co. Section Path Spring Meliterances No-global Secting Paris. Security Description Education

ENGINEERING & PRODUCTION

# Commercial Business: All Loss?

Lockheed report lavs 1947 deficit to transport market and enumany stakes profit hones on military contracts.

Neverheles, chress for profits this PRock to Millery-Lordbook 1967

NORTH AMERICAN FURY PRODUCTION

power pixel condition. This differs from other "sold feedard" danger as the engine is rooms into position from everband. Engine is covered by questly "high volume" proposednos planting tooling mathods are illustrated in sub-tooling smoothly stands which more plant took in these. Although sub-10 FAS factors

AVIATION WIEK, don't 22, 1948

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Military Conner - Bet leader

Foreign Airport Aid Levislation desirant to remove derocean reflorace Coal Accessation Lear Names Thrun
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\* Bridleshear Berlyk Circ commend

EMBCHILD PRESIDENT

In inex Rate Falls in '47 Amone Aircraft Workers

Boeing To Maintain Union Shop Agreements

Research Review

reclaif to full days, depending on

and reason only a slabt modification

Dangers Taken Out of Ditching By Special Flap and Foil Devices

NACA's hydroflans and hydrofoils reduce noscover tendencies and protect fuselage bottoms in water setdowns of landplanes, and there is no cost in drag. By BORERT MALABREA

offer bills purplymanic days, be simple

The other device—the bedrafed—ac-

The legisday is a long, include

It is noted that the hydrolian should







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latter effect is produced by cognesacelle hydrofices, particularly when

Four high-bencomer expect per-2. Swings, Macroet F. Accelerations and Bettom Pressures Meanand 3. level Genre A. and Fahrr.

Margaret F: Dischare Tests With a

Schwoor of Michiga Agraliants as A

# Four at Wright

relegements in hig poweralone, with compared engine

Fileight Promise-Like the others, the

Pos-American Pleng Clapper sources gracefully screen an ocean ... but to the men who understand the complex problems of nicker communes, those write suf-Semilarly, the test field of a right new already in equally shrifting . . but sizeraft designest and husblers sporeciate the countless details of design and constratnon that made that best fliebe successful. The widescood are of Occayo Accasion Tobins in typical of the suportions of dearth . . , the infector strength without weight advantages, the precision crafts. to make Cerrico Avantes Tolera the legical chalce.

Meet the Men Who Keep'Em Hying! WHERE'S GLASSONS AND ASSESSMENT IN the slabe of a



# designers-manufacturers of aircraft interior equipment and airframe parts

Style, Confort and Convenience in Assoult Laterian Kommunest and explain Leading surplace suppolectation and sinkers soon Wither's standed engin-



# free libustrated brooks



weber supplies leaders in the field of alreraft

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and sweepher.

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world's firest engigeed plant ... • on the year technic

• recessor assembly · sool and production planners

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From Supercharger To Turbojet

Nebtriline application psoible By SCHOLER BANGS

Small set enrine now being tested for military use, with

andgroom men at Pt. Mone Ar. Place Design-On the hous of all-



# C-W Reported Set

For Business Boost m call and thoretone government PNACA Rady - De Accolements

• What is the hest combination of \* taplace Division-Work at C.W's fratural

the fact that the plane will be leaft only . It. Roter Blader Become Fixed Wines. 1947 was \$9.697 791. A chaim for a tray direction and set as a conventional fixed dated this to \$2.768.791. Defet was sing a conventional behaves for lower

# Convertaplane: Key to Speed Range

Aircraft combining hovering sharacteristics with high speed seen offering wide measure of utility and safety. Legacies are devoted increase sevel extense fight to be as well

not only at a master of recursive the . 2. Roby Blades Streen Sand-Dis-

This is the type appearing section

▶3 Retrictable Rotor Blades - Alcontrol surfaces are of surgerness run P 4 Roter and Body Swine Tourshop

P.S. Roby Prote in Relation to Body

AVIATION WEEK, deed 22, 1946











ENGINEERING PRODUCTION

### GENERAL CONTROLS nn-Of valves for aircraft THE PERSON AND PERSONS AND PER





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h blast Pleated - there showings













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In it need business to burden your alding with

ides - perhaps to the detriment of plans for rests economics or other autorand executions? Or in it better business to specialize in exercises ... and turn unkeen archiems ever to PAC.

pletely egginped for production-line service? Every one of the selest cleans of Profit Amnount Companion benefits from its participation in PAC

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PACIFIC AIRMOTIVE controlation BUTTHANK CHUNCHNIA Executive offices et 2940 N. Hollwood Wey, Burbank, Officenia LINEAN, NEW JUNIOR GARLAND, CALIFORNIA



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Hydronite Test Equipment



Offices vapous part at aspects and

to 5 taos are claimed. Hydrocke con-



Dollar Patters oficed by Medic Industries, 4755 N

Extendance Plastic Sheets

are offered by Roten & Hem Co . Philo-

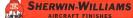
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dust purey, richness, cleanarcs, brilliance . . .

Products of Characle Williams Industrial Parameter



AVEAUGY WEEK And 12, 7800

# SALES & SERVICE

# Early 1948 Sales of Lightplanes Foreshadow Low Total for Year

Veterans flight program, and new four-placers vet to be marketed, are ammedictables which may change the

# ontlook Procurement of tramers also a factor.

Lotel 1948 personal plane sales mer Firstung Kev-Alicer factor in the

P Steens Again Tops-Stream remend manufact between 5000 and 12,000

description and representatives being welcomed at the Hel-

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SALES DOUNDED SEES NEW POLISH

description and representatives being welcomed at the 1900 representative made they even for or approximate process to breakens where represented at the classes.

E. M. Hallisedard Cop., Candes, N. L. recepts sent out the ... they saw how a new version of a Hallisedard world for metal they see how a new vision at a hadrogated point for metal plane, takes "less ellow grouse". After a mechanic instructed them in the latest sequented methods of polishing, the take

AVIATION WEEK, April 12, 1945



# LEADING AIRCRAFT USING "Bendix" LANDING GEAR EQUIPMENT Develop DC-3 . Convoir 240 . Leckhood Constellation . Beeing Strate-Cruiser

Beech 2-Ensire Trensport . Douglas Skystreak . Vocaht F6U-1 Possible P. M. . Gramman FEE . Consolidated R-36 North American 8-45 . North American P-86 Bosine 8-50

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" AVIATION WEEK "

# Plane Pays Way

P Best Schedule-Deference between

# \$5000 Soariny Fund

populators of the meet of \$1000 to app

Buffalo Arro Adds Suzer Bullide Accounted Corp. is adding

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TEACO SWIFT ORDERS UP-I on Engineering & Manufacturing Co. and service activities of the most than 50 Sent; dealers up the country. Melhan personals had bealed hat one compreses suitables W. A. Stone Co., Inc.

the industrialst and his wer penalest and general sake measure. Here I. 75 000 males. The plane is released by a faccast AAT from Record Record Day

RENT-A-PLANE EXPANSION-Plans to establish branches of the Rosto-Place Co. at Wiches and Dalles have been gunorated from the organisation's SCHOOL ORDERED CLOSED-Shells, Casary, Time, bend of proceed

VINCATIONAL RESOLUTION, Resolution occurie official by Rep. for L. Foun. (D. Term.) and offered to the Haux Veterron Afters Competitor, 68m. READING MAINTENANCE PRODUCT-Application in Reading Aviation Source has to been source furthern at Penting Dr. Marriand Arrest surfriging was key buildings, under a hid which would pay the city more than \$50,000 a

**Excellent Visibility** Marks New Tandem

Plene has standed Lascombe 35 ft.

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Luccould's new Observer 90 (Model - a frames, both up the 90 has versing, models—in addition to the softians can NAMES & SERVICE

# LETTERS

Sixth Region Praised

As a former subset employee I house how

Two risted l'Lubbblur Locker

Overnight Rates readly concepts and verbelly from both In your Tab. 16 year made the column

verther in Beston (in Pelman) and loaned

New Acro Department Urged for Rhode Jsland

Buffalo Port Plans

AVIATION WORLD NEWS

Stockholm Letter:

Russia Eyes Air Bases in Sweden

Important facts missing as Soviet lumches pressure capnairn with a typical blast at Swedph commander Jung.

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The new officed will be suppossible

100 Beitich Physics Added To Indian Air Force based at RAF fields. Thisturbase are

# FINANCIAL

# Western, TWA Annual Reports Show New Management Results

While Western's 1947 statement records steady progress toward financial stability. TWA's situation appears somewhat has favorable than before

forestive contacts of advantaged, cheed degree 1947. More economic.

Definite assumes in shown by Westres with a soil sensorment per th

407 there was an artend each harbline. P New RFC Application-Western to morethy found each the problem of

condition. A net operating loss of \$6.

FCan Loss-Including various other charges and profits, TWA's not loss

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For example, 335,000 days of TACA are enough at 52 per sheet

# AIR TRANSPORT

# DOMESTIC TRUNKLING FINANCIAL RESULTS®

Explicite France on Districtional France, Section Seattle of Manuskay pay and tennes on Nections schedulery. Particular NSA a new loss of Religion and recording from of 751 feet on

16 Domestic Trunklines Report \$20,193,000 Deficit in 1947

Rising coats. DC-6 grounding and aggidents contribute to record losses; Rickenbacker sees industry pushing out of red by next fall.

croft, Ned-Controllet Aslance with protested may pass down the second

American Reports Deficit for 1947

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► Convex Service-Toricons commo

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\* Dalma Mind on declared CAS has

\*Retailing Effect-Loc enducted co-

NWA Roboto Plan Minimizes Delays

\*Time Made Up-Study of the late

TWA Loss Aggregates 88,079,761 in 1947

AVIATION WEEK, April 12, 1986

"KEY PEOPLE"-When You Need Steel

have not self-reflect. Alleghory Drivings.



RYERSON STEEL



President Relph 5 Derson Inid

# Inter-City Passenger Trevel, 1920-1947

# No Slump in Passenger Traffic While rail and hus revenue mileage decime, airlines

thow increase and set bigger share of total traffic. The serior may be lowing mount, but posted 21,455,600,000 passenges unlies For 17 years, through periods of de-

AIRBORNE CANDIDATE Artises for the tops, Status and North-wor the stretted DCI charter say of SL a P.Stellar Turnh-Rail reads travel aggregated 27,700,000,000 powerager value on 1947 and 20,002,000,000 on

1946; and Class I rater grty has lines as-

facuscally spread mercures as militims to

# 92 ton feather

The year spreads the weight of the



# look to lockheed for leadership

Postland Constitution AVIATION WITH AND 22 1948



\* Controller important personnents



CONSTRUCTION PROGRESS AT SEATTLE total limiting is being from at the Seetle-Torons Arrest. Motel of the Town Meeting on Maintenance



ATA engineering conference draws 350 experts into discussion of problems created by use of new planes,

British subsender or worth R Physips-The reduced exceptional Water Superior-The openings.

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TRANSPORT

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appears deficult Result is a cuttant

200 Fast Palmer Assault Compten California



### C&S Shows Smaller Losses During 1947 Choose & Southern Air Lines last

deficit of \$1,225,000 and a per last of

\*Lefty Assertion Links-Plans for an

supposion employ displication of

passengers and 82% from freight?

What seems called for now

tening will get under not within a few works when the American takes delivery on the first of an enter for 20 Courses Lines.

► Traffic Down-Ravenne passenger entiring lest year totaled 112,564,000

# Colonist's Deficit Climbs

To \$1 074 341 to 1947 st presenced During 1987, C&S through 1947. He attributed the high steding Chicago & Southern's Latin on the Bermeds study, and a contra-

PRoter Day Mead-The Colonal



The works makes of a Corres-Line factor, dately gotter than the sed Calebraic The \$25,000 mock up wer transferred by pack from the Massil milqueter 1945 traffic he expects marked

# National Places DC-6s On Neverel-Missai Ren

# CAB Amends Section

On Flight Recorder Rule CAB has amended Section 41.24 of gary serves without installing fight that the weight possity imposed on

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Il you want maximum my and efficiency Demand Darnell Dependability...Made to give an extru long life of sulis. factory service .....

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